

H/S USA
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fold
Ames Color-File Corporation

32 Cobblehill Road

Somerville, Massachusetts 02143

Telephone (617) 776-1142

William M. Miller — Project Engineer



6500

Color

Graphics

Printer



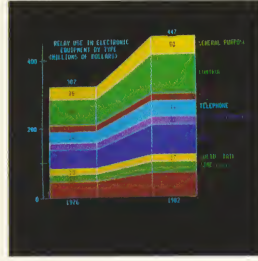
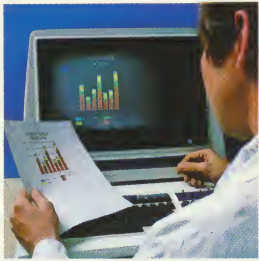
XEROX



Color:

At your command, with the Xerox 6500 CGP





The Xerox 6500 Color Graphics Printer creates full-color permanent hardcopy from digital inputs: the output "copies" are actually originals.

The CGP is a laser scanning, raster imaging system which accepts serial computer data (TTL or DTL compatible), and delivers full-color images with a uniform resolution of 100 points per inch. Copies have a maximum image width of 6.4" and a maximum image length of 13.75", and can be made on 8½" x 11" or 8½" x 14" plain paper or transparency material.

System operation is synchronous, and any device capable of supplying TTL—or DTL—compatible signals at a 450 kilobit synchronous rate can drive the printer.

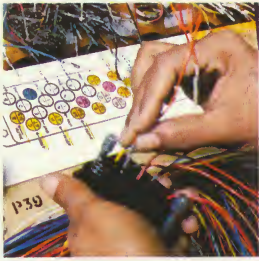
Seven colors are reproduced: cyan, magenta, yellow, red, green, blue and black. Additional colors can be created from user-supplied halftoning. Copy speed is 3.2 full-color copies per minute, or 192 per hour. Single-color copy speed is 9 per minute.

More detailed technical information and the interface requirements for digital display systems are contained in our 6500 CGP Technical Bulletin, available on request.

A Graphics Printer and a Color Copier
The Xerox 6500 CGP can operate in the computer mode, or independently as a xerographic color copier, or in both modes simultaneously, if specially-formatted or composite reproductions are needed. Composite copies are made by using platen and/or 35mm slide inputs in areas not imaged by the laser.

In the standard "platen" mode, originals are simply placed on the document glass. Enlarged color copies of 35mm slides can be reproduced by using the Xerox Slide Adapter II accessory.





The Versatile 6500 CGP is a full-color printing/plotting system designed to serve a variety of rapidly expanding communications needs.

Process Industries use color display systems extensively. Critical process variables such as temperature, pressure, flow, valve settings and tank levels must be monitored constantly. Color hardcopy is also needed for periodic logging, and for recording alarm conditions for subsequent analysis.

The Petroleum Industry has a major need for color displays in three areas: interactive graphics for process and pipeline design, seismic plotting, and process monitoring and control.

Research and Development Labs are major users of color display systems, but current color hardcopy methods are too slow or too costly to effectively meet modern research needs.

Utilities are using color displays in increasing numbers to monitor generating plants and control power distribution. Black-and-white printers often present limitations to programmers, who must devise ways of translating color data into black and white.

Management Systems generate huge volumes of hardcopy in the form of alphanumeric printouts. With the appropriate software, a 6500 CGP can deliver summaries of bulky computer printout in the form of compact color graphics.

Government Agencies have a variety of needs for color hardcopy. Many statistical studies and reports intended for executive presentation can be simplified through the use of color graphics.

Railroads have an urgent need for color hardcopy to record the status of track blocks which range from a few hundred yards to several hundred miles in length.

Audio-Visual Services can "proof" images from computer-generated graphics before the final slides are produced. Full-color transparencies for overhead projection can also be produced in this fashion.



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Color:

Color is recognized as one of man's most dynamic and productive communication tools. And today, the communicative power of color is needed more and more to convey a wealth of increasingly complex information.

A Tool,

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In research, in process control, in government, in many areas of business and industry, vast amounts of multiform data are now open to instant access *in color*.

A Task,

Black-and-white electrostatic printers lose the value and impact inherent in a digital color system. Multi-pen plotters are not entirely satisfactory. And color photography is often time-consuming and expensive.

A Need

The Xerox 6500 Color Graphics Printer combines color xerography and the imaging power of a laser with the graphics potential of a computer to produce a significant advance in the creation and management of information.

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olor

The rapidly increasing acceptance of color in computer graphics systems demonstrates the important dimension color adds to these powerful communication tools.

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raphics

But now, an innovative system from Xerox answers the persistent need for full-color hard-copy from digital color generating sources.

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Unfortunately, there has been no practical way to capture all that information in a permanent, easily distributable full-color form.

P

rinter

Specifications

In general, the specifications of the Xerox 6500 Color Graphics Printer are identical to those of our 6500 Color Copier. Additional specifications apply to the CGP's digital printing capability.



Reproduction Method:

Laser recording, color xerographic process.

Image Type:

Raster

Signal Input:

TTL or DTL compatible.

Data Rate:

Synchronous operation, 400 scans per second; 2.25 microseconds per picture element.

Image Resolution:

100 points per inch.

Colors:

Cyan, Magenta, Yellow, Red, Green, Blue, Black.

Maximum Image Size:

Digital mode, 6.4" width by 13.75" length.

Platen mode, 8.5" width by 13.75" length.

Output Speed:

3.2 full-color copies per minute, 192 per hour.

Throughput Materials:

Plain bond paper; Transparency material suitable for 6500 Copier.

Test Pattern:

Internally generated.

Power Requirements: Copier Module—

Single phase (3 wires plus ground), 120 volt (nominal) line to neutral, 240 volt (nominal) line to line, 60-cycle alternating current.

Three phase (2 wires and neutral of 4-wire Y-connected system, plus ground), 120 volt (nominal) line to neutral, 208 volt (nominal) line to line, 60-cycle alternating current.

CGP Module—

110 volt, 1.5 amperes, 60-cycle alternating current.

Optimum Operating Environment:

Temperature Range—60° to 90° F

Humidity Range—15 to 65% RH

Physical Dimensions Installed:

Weight	Depth
1090 lbs.	46 in.

Width	Height
42 in.	46 in.

Shipping Dimensions:

Assembled—
Skidded—
Crated—
CGP Module Carton—

Weight	Depth
1040 lbs.	46 in.
1200 lbs.	48 in.
1280 lbs.	48 in.
50 lbs.	22 in.

Width	Height
42 in.	46 in.
46 in.	82 in.
46 in.	82 in.
27 in.	18 in.